

line 11, delete "is higher by the"; before "compression" insert -- necessitates a higher--; and delete "thus derives";

line 12, delete "the" (first occurrence); delete "of the"; and delete ", for example,";

5 line 13, after "radiotelephony" insert --, for example"; and replace "therefor" with --for those methods--;

line 16, after "multiplexed" delete ","; insert --, (--; after "i.e." insert --,--; and after "strategy" insert --)--.

On substitute page 2:

10 line 2, after "3" delete "," (first occurrence); before "i.e." insert -- (after "i.e." insert --,--; after "another" insert --)--; and delete "thus";

line 4, delete ", respectively,";

line 8, after "10" insert --,--; and after "11" insert --,--;

line 10, after "12" insert --,--;

15 line 11, delete "thereby";

line 12, delete "following"; and after "packet" insert --following--;

line 16, before "i." insert --(--; after "e." insert --,--; after "frames" insert --)--; and delete ", respectively,";

20 line 18, delete "thereby ensue" and replace with --be accomplished by--; delete "via" (both occurrences); and delete "," after "SDH or";

line 19, delete "respectively,";

line 20, delete "," after "corresponding";

line 23, delete ", respectively,"; after "system" replace "," with --.--; replace "as" with --As--; after "result" insert --,--; and delete "whereof";

25 line 24, delete ", respectively, possible" and insert --potential-- in place thereof;

line 25, before ""SUPPORT" insert --entitled--;

line 29, delete "for example" and insert --e.g.,--; and delete "of" (second occurrence); and

line 30, delete "thereby likewise" and insert --similarly--; after "are" insert --,--; and after "turn" insert --,--.

On substitute page 2a:

line 1, insert the following heading:

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--SUMMARY OF THE INVENTION--;

delete lines 2 through 7 and insert the following paragraph:

--It is an object of the present invention to offer an apparatus for sending data in an SDH or PDH transmission system that enable an increased transmission bandwidth in the transmission of data, such as compressed voice data.--

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On page 3:

delete lines 1 through 8 and insert the following paragraphs:

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--This and other objects are achieved by an apparatus and a method for sending data in an SDH or PDH transmission system. In particular, an apparatus for sending data in at least one of an SDH and a PDH transmission system includes a data arrangement unit configured for receiving and arranging data incoming in a plurality of data channels into a plurality of mini-cells each having a flexible length. A multiplexer is configured to generate a single data stream from the plurality of mini-cells, wherein the received plurality of mini-cells are joined to one another within the single data stream. Additionally, a direct transmission frame generator is included to generate individual transmission frames directly from the data stream and send the generated individual transmission frames via one of an SDH and a PDH transmission system. The individual transmission frames contain a number of mini-cells and correspond to the frame structure of either the SDH or PDH transmission system.

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According to another aspect of the present invention, an apparatus for receiving data in either an SDH or a PDH transmission system includes a direct data stream generator configured to receive and directly generate a single data stream of a plurality of mini-cells from incoming transmission frames corresponding to the frame structure of either the SDH or PDH transmission system. A demultiplexer is included

and configured to distribute data contained in the plurality of mini-cells in a single data stream onto respective channels. Finally, a data arrangement unit is included to restore data of individual data channels from a plurality of mini-cells.

According to a further aspect of the present invention, a method for sending
5 data in either an SDH or a PDH transmission system includes the steps of first receiving and arranging data incoming in a plurality of data channels into a plurality of mini-cells having a flexible length. A single data stream is then generated from the plurality of mini-cells, wherein the received plurality of mini-cells are arranged following one another in the data stream. Next, individual transmission frames are
10 directly generated from the data stream and transmitted via one of the SDH or PDH transmission system. The individual transmission frames contain a number of mini-cells and correspond to the frame structure of the SDH or PDH transmission system.

According to yet another aspect of the present invention, a method for receiving data in either an SDH or a PDH transmission system is provided wherein
15 incoming transmission frames are received, the frames corresponding to a frame structure of one of the SDH and PDH transmission system. A single data stream is directly generated from the incoming transmission frames and data contained in a plurality of mini cells contained within the data stream are distributed. Finally data of individual data channels is restored from the plurality of mini-cells.--;

- 20 line 9, delete “, respectively,”;
line 12, delete “, respectively,”;
line 13, delete “or, respectively, as an alternative to”;
line 15, delete “, respectively given the” and insert --and— in place thereof;
- 25 line 16, delete “, respectively,”;
line 17, after “are” insert --,--; and after “turn” insert --,--;
lines 19, delete “, respectively,” (first occurrence); delete “or,” (second occurrence); and delete “respectively, as an”;
line 20, delete “alternative to the generation of” and insert --generating-- in place thereof;
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line 21, delete "The" and insert --Hence, the-- in place thereof; and delete "thereby";

line 22, delete ", respectively,";

line 27, delete ", for example"; after "multiplexing" insert --, for example--; and

delete lines 28 and 29.

On page 4:

line 1, delete "or, respectively, the" and insert --and--.

line 5, delete "thereby"; and delete "or,";

line 6, delete "respectively,";

line 8, delete ", respectively, the"; and insert --and-- in place thereof;

line 14, delete "respectively,"

line 17 insert "a" before "parallel";

line 18, delete "thereby";

line 19, delete ", respectively, of the"; and delete "," after "or" (second occurrence);

line 20, delete "respectively,"; delete "and/or" and insert --or-- in place thereof; delete "The" and insert --Hence, the--;

line 21, delete "thus" (both occurrences); and delete "of";

line 24, delete "or, respectively, the" and insert --and-- in place thereof;

line 27, delete ", respectively,"; and

line 28, delete "thereby".

On page 5:

line 1, delete "So that the" and insert --In order to allow the-- in place thereof; and delete "for";

line 2, delete "receiving data can also" and insert --to-- in place thereof; and

line 3, delete "tothe" and insert --to the--.

line 4, delete "or, respectively,";

line 7, delete "ensue" and insert --be carried out in a-- in place thereof;
after "parallel" insert --fashion to-- in place thereof; delete "alternatively to" and insert
5 --alternating with-- in place thereof;

line 9, delete "or, respectively,";

after line 11, before line 12 insert the following paragraph and heading:

--Additional advantages and novel features of the invention will be set forth,
in part, in the description that follows and, in part, will become apparent to those
skilled in the art upon examination of the following or may be learned by practice of
10 the invention. The advantages of the invention may be realized and attained by means
of the instrumentalities and combinations particularly pointed out in the appended
claims.

BRIEF DESCRIPTION OF THE DRAWINGS--;

15 delete lines 12, 13 and 14 and insert the following paragraph:

--The present invention is explained with reference to the attached drawings,
where elements having the same numeral reference denote like elements throughout
and wherein:

line 15, after "1" insert --illustrates--; and delete "or,";

20 line 16, delete "respectively,";

line 17, after "2" insert --is--; delete "inventively";

line 18, after "data" insert --of an embodiment of the present

invention--;

line 19, after "3" insert --shows--; delete "or,";

25 line 20, delete "respectively,"; before "the" insert --an embodiment
of--;

line 21, after "4" insert --illustrates--; delete "or,";

line 22, delete "respectively,"

line 24, after "5" insert --is--;

after line 25 and before line 26 insert as a separate new heading:

ALQ

~~DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS~~

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line 27, delete “, respectively,”;
line 28, before “the” insert --an embodiment of--; and
line 29, after “2” insert --or mini-cell arrangement unit--.

On page 6:

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line 5, delete “whereby” and insert --wherein--;
line 9, after “packets” insert --(i.e., ATM Data Packet Generator)--;
delete “, respectively,”;
line 10, after “or” delete “,”;
line 11, delete “respectively,”; after “being” insert --,--; after “turn”
insert --,--; and after “5” insert --or PDH/SDH Transmission Frame Generator--;
line 12, delete “thereof” (both occurrences);
line 13, delete “, respectively,”;
15 line 14, after “generated” insert --directly--; delete “in a direct way”;
and after “6” insert --or Direct PDH/SDH Transmission Frame Generator--;
line 16, after “field” insert --STF--;
line 18, after “18,” insert --(--; after “e.” insert --,--; and after “19”
insert --)--;

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line 20, delete “thereby”;
line 21, after “data” (second occurrence) insert --24--;
line 24, delete “exemplary” and insert --alternate--;
line 25, delete “, respectively,”; and
line 29, delete “, respectively,”.

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On page 7:

line 1, after “25” insert --(i.e., ATM Data Packet Generator)--;
line 2, delete “, respectively, the”; and
line 3, delete “, respectively,” and after “26” insert --(i.e., Mini-Cell